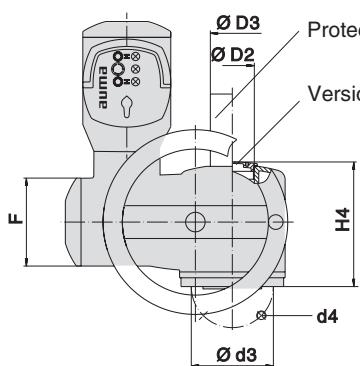


**Dimensions Multi-turn actuators with integral controls
AUMA MATIC**

**SA 07.1 – SA 16.1
SAR 07.1 – SAR 16.1
AM 01.1 – AM 02.1**

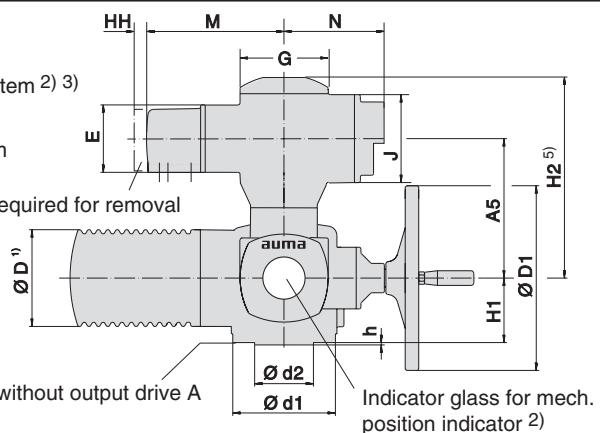
With AUMA plug/socket connector and 3-phase AC motor



Protection tube for rising valve stem 2) 3)

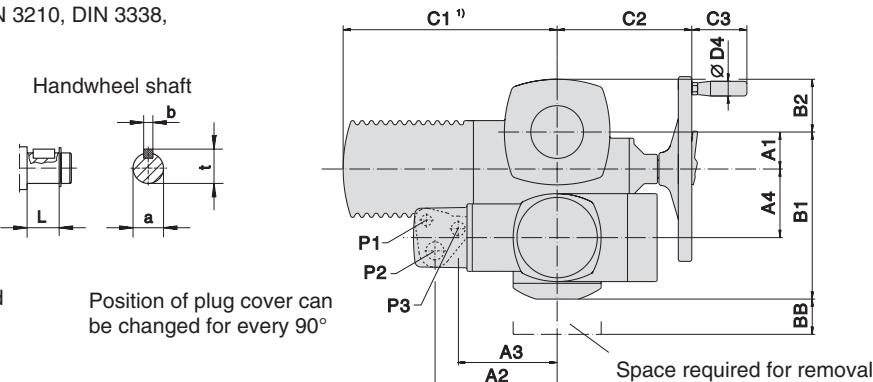
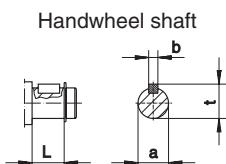
Version for non-rising valve stem

Space required for removal



Indicator glass for mech.
position indicator 2)

Output drives according to EN ISO 5210, DIN 3210, DIN 3338,
dimensions see next page



1) Exact dimensions according to motor used

2) Only if ordered additionally

3) In steps of 100 mm length each

4) Standard, other threads on request

5) Exact dimension according to AUMA MATIC version

Position of plug cover can
be changed for every 90°

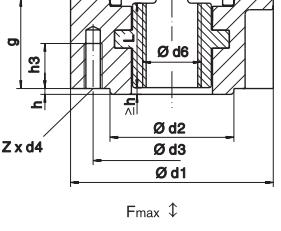
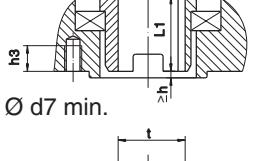
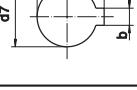
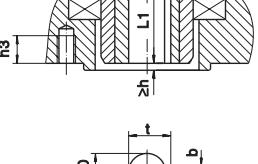
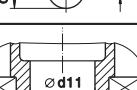
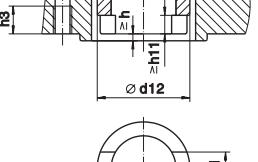
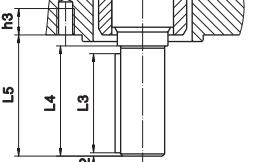
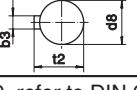
Dimensions	Multi-turn actuator type					
	SA(R) 07.1/AM 01.1	SA(R) 07.5/AM 01.1	SA(R) 10.1/AM 01.1	SA(R) 14.1/AM 02.1	SA(R) 14.5/AM 02.1	SA(R) 16.1/AM 02.1
EN ISO 5210/DIN 3210	F07 (F10/G0)	F07 (F10/G0)	F10 (G0)	F14 (G1/2)	F14 (G1/2)	F16 (G3)
A 1	40	40	50	63	63	80
A 2	199	199	199	209	209	209
A 3	159	159	159	169	169	169
A 4	103	103	103	117	117	122
A 5	232	232	232	242	242	242
B 1	237	237	247	285	285	307
B 2	62	62	65	90	90	115
C 1 ¹⁾	265	265	282	384	384	510
C 2	187	187	191	235	242	260
C 3	63	63	63	94	94	94
Ø D max.	101	101	121	153	153	190
Ø D 1	160	160	200	315	400	500
Ø D 2	G 1 1/4 "	G 1 1/4 "	G 2 "	G 2 1/2 "	G 2 1/2 "	G 3 "
Ø D 3	42 x 3.3	42 x 3.3	60 x 3.7	76 x 3.6	76 x 3.3	89 x 4.1
Ø D 4	20	20	20	25	25	25
E	115	115	115	115	115	115
F	115	115	115	150	150	150
G	150	150	150	150	150	150
H 1	78	78	80	110	110	130
H 2	340	340	340	402	402	402
H 4	155	155	168	213	213	253
J	150	150	150	150	150	150
L	20	20	24	38,9	45,8	45,8
M	235	235	235	235	235	235
N	171	171	171	171	171	171
P 1 ⁴⁾	M20 x 1.5	M20 x 1.5	M20 x 1.5	M20 x 1.5	M20 x 1.5	M20 x 1.5
P 2 ⁴⁾	M32 x 1.5	M32 x 1.5	M32 x 1.5	M32 x 1.5	M32 x 1.5	M32 x 1.5
P 3 ⁴⁾	M25 x 1.5	M25 x 1.5	M25 x 1.5	M25 x 1.5	M25 x 1.5	M25 x 1.5
BB min.	180	180	180	180	180	180
HH min.	30	30	30	30	30	30
a	20 e7	20 e7	20 e7	30 f7	30 f7	30 f7
b	6	6	6	8	8	8
Ø d 1	90 (125)	90 (125)	125	175	175	210
Ø d 2	55 (70/60)	55 (70/60)	70 (60)	100	100	130
Ø d 3	70 (102)	70 (102)	102	140	140	165
d 4	4 x M8 (4 x M10)	4 x M8 (4 x M10)	4 x M10	4 x M16	4 x M16	4 x M20
h	3	3	3	4	4	5
t	22,5	22,5	22,5	33	33	33

We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.

**SA 07.1 – SA 16.1
SAR 07.1 – SAR 16.1
AM 01.1 – AM 02.1**

Output drives according to

**EN ISO 5210
DIN 3338
DIN 3210**

Output drives		Dimensions	AUMA multi-turn actuator type							
			SA 07.1/SA 07.5			SA 10.1		SA 14.1/SA14.5		SA 16.1
Stem nut		EN ISO 5210 DIN 3210	F07	F10	G0	F10	G0	F14	G1/2	F16 G3
Type EN ISO 5210 A DIN 3210	A		F max. kN	40	40	40	70	70	160	250
Arrangement of holes d4			Ø d1	90	125	125	125	125	175	210
			Ø d2	55	70	60	70	60	100	130
			Ø d3	70	102	102	102	102	140	165
			d4	M8	M10	M10	M10	M10	M16	M20
			Ø d5	28	30	30	42	42	60	80
			Ø d6 max.	26	26	26	40	40	57	75
			g	40	40	40	50	50	65	80
			h	3	3	3	3	3	4	5
			h3	12	15	15	15	15	25	35
			L	37	37	37	47	47	60	75
			Z	4	4	4	4	4	4	4
			Weight kg	1.1	1.3	1.3	2.8	2.8	6.8	11.7
Plug sleeve ³⁾			b JS 9 ¹⁾	8	12	12	12	12	18	22
Type EN ISO 5210 B 1 = Ø d7 EN ISO 5210 B 2 < Ø d7 > Ø d7 min. DIN 3210 B = Ø d7	B		Ø d7 H9	28	42	42	42	42	60	80
Missing dimensions refer to output drive A			Ø d7 min.	20	30	30	30	30	45	60
			h3	12	13	13	15	15	25	30
			L1	35	45	45	45	45	65	80
			t ¹⁾	31.3	45.3	45.3	45.3	45.3	64.4	85.4
Bore with keyway ³⁾			b JS 9 ¹⁾	5	6	6	6	6	8	12
Type EN ISO 5210 B 3 = Ø d10 EN ISO 5210 B 4 ≤ Ø dy DIN 3210 E = Ø d10	E		Ø d10 H9	16	20	20	20	20	30	40
Missing dimensions refer to output drive A			Ø dy max.	20	30	30	30	30	45	60
			h3	12	13	13	15	15	25	30
			L1	35	45	45	45	45	65	80
			t ¹⁾	18.3	22.8	22.8	22.8	22.8	33.3	43.3
			Weight kg	0.1	0.1	0.1	0.4	0.4	1.1	2.4
Dog coupling ³⁾			b1 H11	14*	14	14	14	14	20	24
Type DIN 3338 C = Ø d11	C		Ø d11 H11	28*	28	28	28	28	38	47
Missing dimensions refer to output drive A			Ø d11 min.	—	20	20	20	20	30	40
			Ø d11 max. ²⁾	—	42	42	42	42	60	80
			Ø d12	40*	55	55	55	55	80	100
			h3	12	13	13	15	15	25	30
			h11	7*	7	7	7	7	8	10
Shaft coupling			Ø d8 g6	—	—	20	—	20	—	40
Type DIN 3210 D	D		b3 h9	—	—	6	—	6	—	12
Missing dimensions refer to output drive A			h3	—	—	13	—	15	—	30
			L2	—	—	1.5	—	1.5	—	3
			L3	—	—	45	—	45	—	80
			L4	—	—	50	—	50	—	90
			L5	—	—	55	—	55	—	97
			t2	—	—	22.5	—	22.5	—	43
			Weight kg	—	—	0.4	—	0.7	—	4.3

¹⁾ Dimensions depend on Ø d7/ Ø d10, refer to DIN 6885-1

2) For rising valve stem Ø d11 max. = Ø d5 of type A

- 3) Weight included in actuator

* Dimensions other than DIN 3338

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Issue 1.11

2/2

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